



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

NEW BOOKS.

The Calculus. By ELLERY W. DAVIS and W. C. BRENKE. New York: The Macmillan Company. Pp. 447. \$2.00 net.

The authors of this book have endeavored to make the subject vivid, tangible, and convincing to the student. Rigorous forms of demonstration are not always insisted upon as they would be beyond the grasp of the student. The traditional methods of treating some topics have been replaced by others, such as the proof of the formula for the derivative of a logarithm, and some topics usually given little or no prominence have been brought to the foreground, such as simple harmonic motion, Cavalieri's theorem and others. Practical applications are abundant throughout and a large number of exercises makes a selection possible. It is a carefully written book.

Elementary Textbook on the Calculus. By VIRGIL SNYDER and JOHN IRWIN HUTCHINSON. New York: The American Book Company. Pp. 384. \$2.20.

This book is designed particularly for students in engineering and science, for whom a brief but adequate introduction to the calculus is prescribed. In recognition of the demand for a book that shall limit the study to a minimum of time and to the topics that are deemed of most immediate use to the professional course for which the student is preparing, the authors have made a special effort to present the calculus in as simple and direct a form as possible, consistent with accuracy and thoroughness. Every chapter is followed by a generous list of examples, many of which are new and all appropriate to the particular question involved.

Lectures on the Theory of Elliptic Functions. By HARRIS HANCOCK. Vol. I., Analysis. New York: John Wiley and Sons. Pp. 521. \$5.00 net.

The plan of this work is to have three volumes as follows: I. Analysis, II. Applications to Problems in Geometry and Mechanics, III. General Arithmetic and Higher Algebra.

In the exposition of Volume I., the *Analysis* of the Elliptic Functions, Professor Hancock has made fundamental a differential equation which he calls the *eliminant equation*. This equation is used to ascertain whether a function in reality has an algebraic addition-theorem and, further, as shown by Hermite, the integrals of this equation are the elliptic functions in the sense defined by Weierstrass. The *problem of inversion* is also thereby solved in a remarkably simple manner.

The chapter headings are as follows: Preliminary Notions, Functions which have Algebraic Addition-theorems, The Existence of Periodic